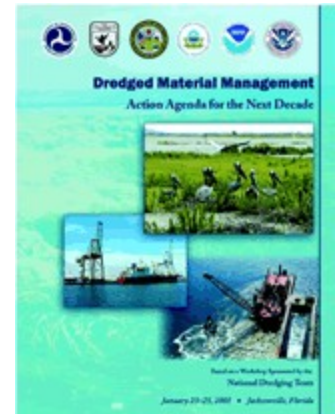


Watershed Sediment Management: Challenges and Outcomes from the Southeast

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**USACE 2008 Planning Community of Practice
Conference
San Antonio, Texas
May 20- 22, 2008**



Overview of Presentation

- National Conference on Dredging and Watershed Sediment Management
- Southeast Region-Managing Sediments in the Watershed Conference
- Watershed RSM Demonstration Projects-Selection Criteria
- Mobile Bay and Basin Watershed RSM Demonstration Project
- Take Away Points

National Conference on Managing Sediments in the Watershed:

Bringing Dredged Material and Watershed Managers Together

August 2006, Portland, Oregon

Sponsored by the National Dredging Team

Objectives

- Dredging and sediment management in watersheds
- Collaborative Planning and Management
- Increased Coordination and Communication
- Focused on Integrated Solutions to Watershed Sediment Management



Southeast Watershed Sediment Management Conference

29-30 August 2007

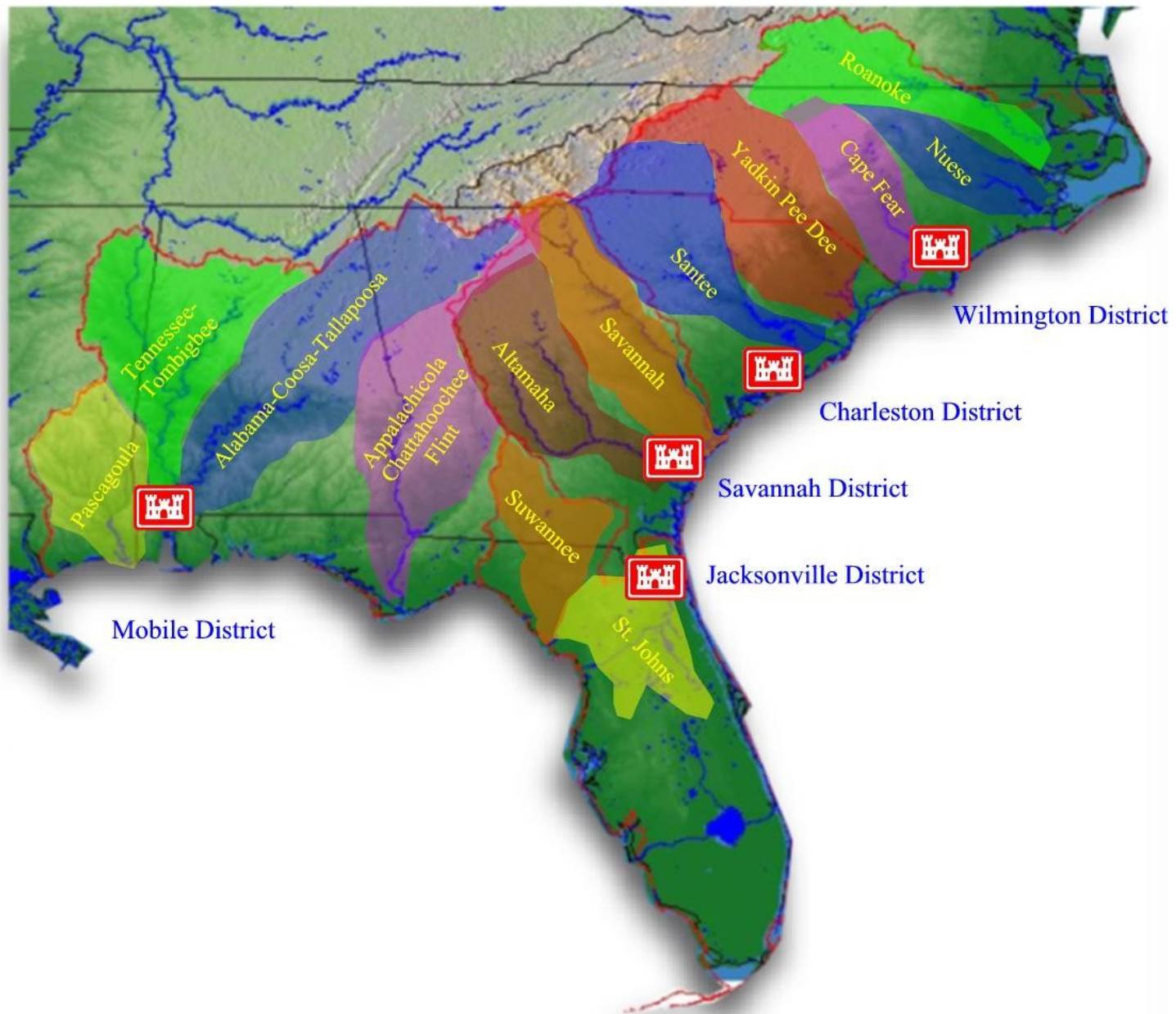
Atlanta, Georgia

USACE-SAD and USEPA Region 4

Objectives

- Regional Sediment Management (RSM) Program
- Regional coordination and collaboration
- Watershed Sediment Management Opportunities
- Regional Sediment Management (RSM) Watershed Projects
- Implementation of RSM Watershed Demonstration Project





Watershed RSM Demonstration Project Selection Criteria

- Multi-objective sediment management project
- Leverage and enhance existing studies and efforts
- Identify knowledge gaps in sediment management
- Enhance information exchange and management

Selection Criteria (continue)

RSM Watershed Demonstration Project

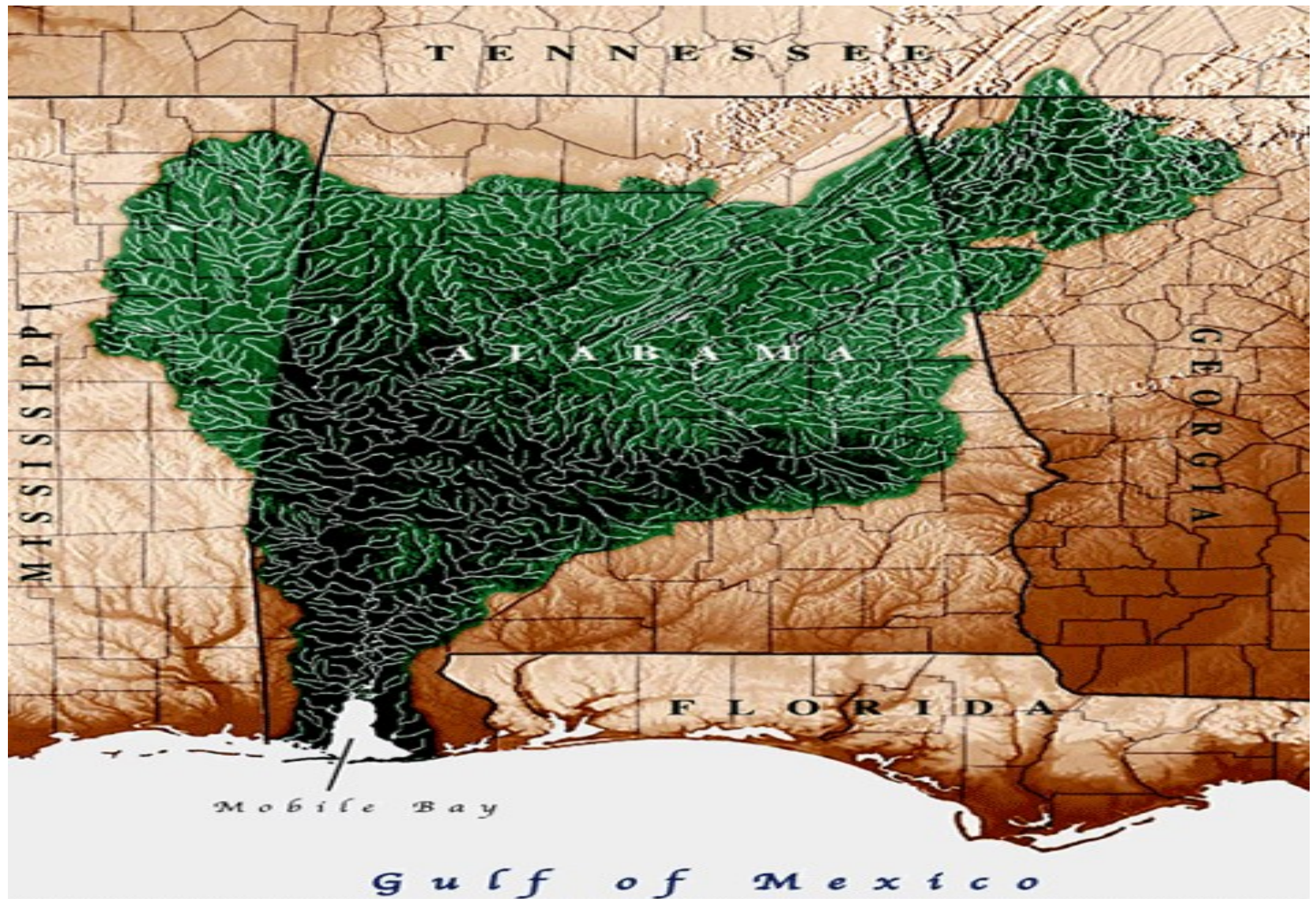
- Develop watershed sediment management strategies
- Discrete to systematic project approach with specific goals
- Knowledge transfer and dissemination (portable knowledge)
- Holistic watershed approach
- Dredging-Sediment Management opportunities

Selection Criteria (continue)

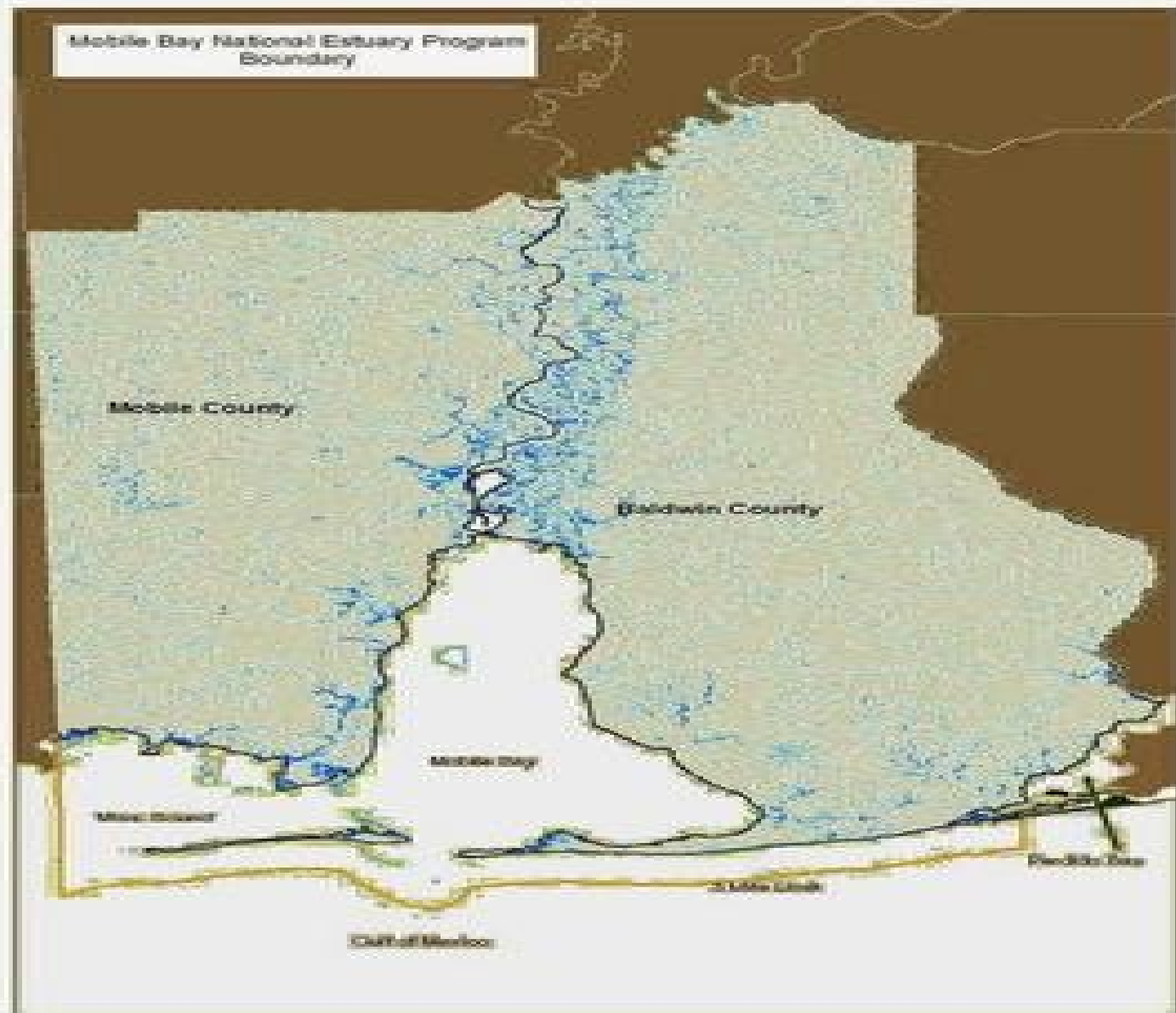
RSM Watershed Demonstration Project

- Sub-watershed opportunities
- Beneficial use and restoration opportunities
- Application of innovative technologies, tools, management strategies
- Disposal sites management and sustainability

Mobile Basin



Mobile Bay



Goals

Mobile Bay and Basin RSM Watershed Demonstration Project

- Watershed-Regional Sediment Management (RSM) approach
- Enhance sediment management collaborative process
- Leverage existing resources, programs and authorities
- Share existing data-identify data gaps
- Implement watershed sediment budget

Mobile Bay and Basin RSM Watershed Demonstration Project

- Numerical model developments and implementation
- Implement Geographic Information System (eBasin GIS)
- Matrices for dredging and watershed sediment management
- Develop comprehensive sediment management plan
- Applicability of watershed RSM findings to other watersheds

Key Take Away Points

- Strengthen collaborative skills
- Manage traditional perceptions and attitudes
- Establish common language and goals
- Build social capital and sustainability

Key Take Away Points (continue)

- Capitalize on existing knowledge, models, tools and technologies
- Visualize new approaches, strategies, measures
- Minimize repeating lessons learned

References

- **National Conference on Managing Sediments in the Watershed:**

<http://www.epa.gov/owow/oceans/ndt/managingsediments.htm>

- **FY 2006 Civil Works Watershed Assessments:**

http://www.usace.army.mil/cw/cecwcwcp/news/watershed_06.html

- **National Dredging Team Action Agenda:**

<http://www.epa.gov/owow/oceans/ndt/actionagenda.html>

- **General Accountability Office: Report 08-262 Natural Resource Management. February 2008**
- **General Accountability Office: Report 06-15 Results-Oriented Government. February 2008**